



Verification	Originator	Revised	Approved	Issued
Initials	CS		ST	ST
Date	2/24/14		12/15/2014	12/15/2014

TITLE: COFL-GTL-ED-4.4.6-2 Wastewater Hazard ESMS Gravity or Force Main Break Spill outside of Fence 0502

ESMS Standard Operating Procedure

City of Fort Lauderdale

Wastewater Facility

System:	Wastewater Hazard Prevention	Procedure No. :	SOP 0502
Subsystem:	Wastewater Spill Not Contained within Fence line	Page No. :	Page 1 of 3
Process:	To Alleviate the Threat to Public Resulting from a Wastewater Gravity or Force Main Break	Issue No. :	00
		Issue Date :	02/28/14

Purpose:

Procedures to Gain control and Alleviate Risks to the Public Associated with a Wastewater Gravity or Force Main Break

Scope:

To implement the best operational practices to reduce, contain and eliminate possible spills of wastewater which may contain solids.

Responsibility:

Adherence to these written procedures will be the responsibility of the Operator 2 and Chief Operators.

Procedure:

All SSOs which are not contained within the containment structures should be identified as an SSO and will be reported to the Environmental Services Division for record keeping and reporting.



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There are four types of potential SSOs that may affect the GTL facility;

- 1) Pump station overflow
- 2) Tank or vessel overflow
- 3) Pipe failure (underground or above ground)
- 4) Emergency Outfall overflow

1. The first responder shall report all confirmed SSOs, per written SSO policy 02.01.001, to the dispatcher, attempting to provide as much information as possible using the attached form as a guide.
2. The dispatcher will notify the Environmental Services representative on duty.
3. If the SSO is caused by a Force Main (FM), then use the Wastewater FM Break procedure within the GTL plant and identify the source of the flow and isolate the source as soon as possible. Develop a work around if the pipe line is a critical component for the treatment system.
4. If the SSO is caused by a pump station failure, and the spill has breached the containment structure, isolate the influent flow to the station, identify the cause and take remedial action to lower the station's fluid level.
5. If the SSO is caused by gravity main, then use the Wastewater Gravity Main Break procedure to isolate the source of the flow, identify cause, assess the damage and take action to repair or replace the damaged pipe.
6. If the SSO is caused by excessive influent flows which exceed the effluent pumping capacity to the extent that the treated sewage in the effluent wet well spills into the Emergency outfall system follow procedures per
7. The crew leader in cooperation with the first responder shall complete the appropriate SSO form and turn into the Chief. Each crew that responds should complete the attached form.



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8. The Chief WWTP Operator will ensure a copy is given to Environmental Services, the GTL manager, and the Treatment Manager.

RECORDS

Record	Where Filed	Responsible Individual	Indexing Method	Minimum Retention Time

REVISION LOG

Issue No.	Issue Date	Description of Change(s)

AUTHORIZATION		
Name	Title	Date